Split Mountain Comon, Impurial County, Cel,

Visited april 22-23 1929 and May 19 1929,

This comon is 21/2 or 3 miles long. The walls are high and the canon is crooked in places, The strata dip at various angles, anostly 20 to 35 degrees, principally south or southwesterly and are of various thicknesses, from very thin to sweral feet in thickness. At the foot of the cliffs in places a buff or yellowish sondstone is exposed, This is overlain by a coarse conglomerate of granite oid boulders, these being often a ton or more in weight, The boulders are angular with but little rounding of the corners and edges, and evidently had not been transported for, The comenting material is sund and it is not very difficult to detach a small block from the strata yet the walls are quite steep, perfundicular in places. I suppose the blocks came from the west, where granite mountains are not for distant, The strata exposed must total a Thickness of 1500 or 2000 feel, The general direction of the comon is MEN, E, and S, S, H, I saw no gyfraum west of the comon, but on the east side There are a mumber of beds of a few acres in extent to a hundred or more, These beds are on the surface and are inclined in various derections south, Some are on the summit of the range others well down the sides or even reaching the edge of the valley, line bed a mile or so east of the north and of the comore is being worked by a company that has built a 30 mile narrow gange railroad from Plaster Bity, The rock is blasted and loaded on the ears by a steam shovel direct from the grany,

split mountain Comon passes entirely through the sange, to Carrizo basin and drains a small part of the western edge of the basen as well as the south side of the range, at the head of the canon two large washes come from the west, On May 19 th we drove the ear 5 or 6 miles up the outer wash, which heads on The eartern end of Piñon Mountain several miles further on Along this wash the bordering, comparatively low, cliffs were saidstone dipping strongly south to southwest, about half a mile south of the head of split mountain banon are cliffs eapful by a stratum of hard rock composed principally of small oyster shells and a chain of these hills extrades east south-east two or three miles, each with its fassil-tearing rock cap, These "bal-land" hills are similar to those bording the eastern and south reastern

sides of the leaving basin,

We examined the hills boiling the wash we went up, We found fragments of forcelized wood in several places, but no shells, Hu wood fragments were weathered out of the edges of the sandstone stratu, which were evase there, and dipped strongly In a small gulch entiring Split Mountain canon at its supported on the east side are some impressions that have been suported as "dinasaun" tracks, or "ground sloth" tracks, The sandstown strata in the gulch have a considerable slope southwesterly, und strata in the gulch have a course for perhaps a homehed yards up ing the impressions, These accur for perhaps a homehed yards up the gulch, above them his a pile of weathered out concretions round or flattened, some the eige and shape of a conteen, Similar round or flattened, some the eige and whope surface of the sandstow concretions were scattered through the upper surface of the sandstow strata, and the running storm waters have smad woom down the surface apposing more or less of the concretions, In must cases the surface apposing more or less of the concretions, In must cases the surface of the concretions or the ioner edge of the surrounding outer surface of the concretions or the ioner edge of the surrounding rock were a little softer than the mann booky and wore away into rock were a little softer than the mann places leaving an impression like a longe cat track, but nearly always with the impression like a longe cat track, but nearly always with the instead that they are could easily imagine the circles where of a cats track, One could easily imagine the circles when tracks of some longe provisitoric animal if he did not study thim,

